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Certificate of Analysis

Company: SC DHEC Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 2

Report Date: August 30, 2007

DHEC00105

DHEC002

Project:

Client ID:

Client Sample ID: 082207-01 Sample ID: 192249001 Matrix: Ground Water Collect Date: 22-AUG-07 08:40 Receive Date: 23-AUG-07

Collector: Client

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Liqu Rad Gas Flow Proportiona	*	st)									
GFPC, Gross Alpha/Beta,	liquid										
Alpha		4.97	+/-2.06	2.07	5.00	pCi/L		HAK 08/27/0	07 1328	663410	0 2
Beta		5.02	+/-2.91	4.53	5.00	pCi/L		Ь			
Rad Liquid Scintillation Ar	nalysis										
LSC, Tritium Dist, Liquid Tritium	U	ND	+/-336	535	700	pCi/L		AXD2 08/27/0	07 1048	66339	1 3

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0	
3	EPA 906.0 Modified	

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- Results are reported from a diluted aliquot of the sample
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

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Certificate of Analysis

Company: SC DHEC

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 2

Report Date: August 30, 2007

Client Sample ID: 082207-01 Project: DHEC00105 Sample ID: 192249001 Client ID: DHEC002

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

UI Gamma Spectroscopy--Uncertain identification

X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

Y QC Samples were not spiked with this compound

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct/any questions/to your Project Manager, Jake Crook.

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Certificate of Analysis

Company: SC DHEC Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 3

Report Date: August 30, 2007

DHEC00105

DHEC002

Project: Client ID:

Client Sample ID: 082207-02
Sample ID: 192249002
Matrix: Ground Water
Collect Date: 22-AUG-07 09:00
Receive Date: 23-AUG-07

	Collector:		Client								
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analys	sis										
Gammaspec, Gamma, Li		st)									
Rad Gas Flow Proportion	nal Counting										
GFPC, Gross Alpha/Beta	a, liquid										
Alpha	U	ND	+/-2.26	4.04	5.00	pCi/L		HAK 08/27/0 B	7 1328	663410	2
Beta	U	ND	+/-2.68	4.88	5.00	pCi/L		D			
Rad Liquid Scintillation	Analysis										
LSC, Tritium Dist, Liquio	d										
Tritium	U	ND	+/-303	526	700	pCi/L		AXD2 08/27/0	7 1105	663391	3
Volatile Organics											
GEL 8260B Method List	Liquid										
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1	DXK1 08/28/0	7 0041	663867	4
1,1,2,2-Tetrachloroethan	e U	ND		0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND		0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND		0.250	1.00	ug/L	1				
1,3-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dioxane	U	ND		20.0	200	ug/L	1				
2-Butanone	U	ND		1.25	10.0	ug/L	1				
Acrolein	U	ND		3.00	10.0	ug/L	1				
Acrylonitrile	U	ND		1.00	10.0	ug/L	1				
Benzene	U	ND		0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1				
Bromoform	U	ND		0.250	1.00	ug/L	1				
Bromomethane	U	ND		0.500	1.00	ug/L	1				
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1				
Chlorobenzene	U	ND		0.250	1.00	ug/L	1				
Chloroethane	U	ND		0.500	1.00	ug/L	1				
Chloroform	U	ND		0.250	1.00	ug/L	1				
Chloromethane	U	ND		0.500	1.00	ug/L	1				

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Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 30, 2007

	Client Sample ID Sample ID:):	082207-02 192249002			Proje Clier	ect: nt ID:	DHEC00105 DHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
Dibromochloromethane	U	ND		0.250	1.00	ug/L		1			
Dichlorodifluoromethane	e U	ND		0.500	5.00	ug/L		1			
Ethylbenzene	U	ND		0.250	1.00	ug/L		1			
Methylene chloride	J	3.65		2.00	5.00	ug/L		1			
Tetrachloroethylene	U	ND		0.250	1.00	ug/L		1			
Toluene	U	ND		0.250	1.00	ug/L		1			
Trichloroethylene	U	ND		0.250	1.00	ug/L		1			
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L		1			
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L		1			
Vinyl chloride	U	ND		0.500	1.00	ug/L		1			
Xylenes (total)	U	ND		0.250	3.00	ug/L		1			
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L		1			
cis-1,3-Dichloropropyler	ne U	ND		0.250	1.00	ug/L		1			
trans-1,2-Dichloroethyler	ne U	ND		0.300	1.00	ug/L		1			
trans-1,3-Dichloropropyl	ene []	ND		0.250	1.00	ug/L		1			

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0	
3	EPA 906.0 Modified	
4	SW846 8260B	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	45.5 ug/L	50.0	91	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	49.6 ug/L	50.0	99	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	44.8 ug/L	50.0	90	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	52.4 ug/L	50.0	105	(77%-122%)

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported

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Project: SC DHEC ChemNuc GW Page 3 of 3

Report Date: August 30, 2007

Client Sample ID: 082207-02 Project: DHEC00105
Sample ID: 192249002 Client ID: DHEC002

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Jake Crook.

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 3

Report Date: August 30, 2007

DHEC00105

DHEC002

Project: Client ID:

Client Sample ID: 082207-03
Sample ID: 192249003
Matrix: Ground Water
Collect Date: 22-AUG-07 09:40
Receive Date: 23-AUG-07

	Collector:		Client								
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analys	sis										
Gammaspec, Gamma, Li		st)									
Rad Gas Flow Proportion	nal Counting										
GFPC, Gross Alpha/Beta	a, liquid										
Alpha		5.09	+/-2.08	1.99	5.00	pCi/L		HAK 08/27/0 B	7 1328	663410	2
Beta	U	ND	+/-2.71	4.47	5.00	pCi/L		D			
Rad Liquid Scintillation	Analysis										
LSC, Tritium Dist, Liquid	d										
Tritium	U	ND	+/-317	529	700	pCi/L		AXD2 08/27/0	7 1122	663391	3
Volatile Organics											
GEL 8260B Method List	Liquid										
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1	DXK1 08/29/0	7 1857	663867	4
1,1,2,2-Tetrachloroethan	e U	ND		0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND		0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND		0.250	1.00	ug/L	1				
1,3-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dioxane	U	ND		20.0	200	ug/L	1				
2-Butanone	U	ND		1.25	10.0	ug/L	1				
Acrolein	U	ND		3.00	10.0	ug/L	1				
Acrylonitrile	U	ND		1.00	10.0	ug/L	1				
Benzene	U	ND		0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1				
Bromoform	U	ND		0.250	1.00	ug/L	1				
Bromomethane	U	ND		0.500	1.00	ug/L	1				
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1				
Chlorobenzene	U	ND		0.250	1.00	ug/L	1				
Chloroethane	U	ND		0.500	1.00	ug/L	1				
Chloroform	U	ND		0.250	1.00	ug/L	1				
Chloromethane	U	ND		0.500	1.00	ug/L	1				

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 30, 2007

	Client Sample ID Sample ID:):	082207-03 192249003			Proje Clien		OHEC00105 OHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
Dibromochloromethane	U	ND		0.250	1.00	ug/L	1				
Dichlorodifluoromethane	e U	ND		0.500	5.00	ug/L	1				
Ethylbenzene	U	ND		0.250	1.00	ug/L	1				
Methylene chloride	BJ	4.48		2.00	5.00	ug/L	1				
Tetrachloroethylene	U	ND		0.250	1.00	ug/L	1				
Toluene	U	ND		0.250	1.00	ug/L	1				
Trichloroethylene	U	ND		0.250	1.00	ug/L	1				
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L	1				
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L	1				
Vinyl chloride	U	ND		0.500	1.00	ug/L	1				
Xylenes (total)	U	ND		0.250	3.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylen	ie U	ND		0.250	1.00	ug/L	1				
trans-1,2-Dichloroethyler	ne U	ND		0.300	1.00	ug/L	1				
trans-1,3-Dichloropropyl	ene U	ND		0.250	1.00	ug/L	1				

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0	
3	EPA 906.0 Modified	
4	SW846 8260B	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	43.1 ug/L	50.0	86	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	47.3 ug/L	50.0	95	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	44.8 ug/L	50.0	90	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	50.7 ug/L	50.0	101	(77%-122%)

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported

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Company: SC DHEC

Address: 2600 Bull Street Columbia, South Carolina 29201

Report Date: August 30, 2007

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 3 of 3

Client Sample ID: 082207-03 Project: DHEC00105 Sample ID: 192249003 Client ID: DHEC002

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 3

Report Date: August 30, 2007

DHEC00105

DHEC002

Project: Client ID:

Client Sample ID: 082207-04
Sample ID: 192249004
Matrix: Ground Water
Collect Date: 22-AUG-07 09:45
Receive Date: 23-AUG-07

	Concetor.		Chem								
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysi	is										
Gammaspec, Gamma, Liq Rad Gas Flow Proportion		ist)									
GFPC, Gross Alpha/Beta,	, liquid										
Alpha	•	2.35	+/-1.52	1.93	5.00	pCi/L	HAK (B	08/27/0	07 1328	663410	2
Beta	U	ND	+/-2.42	3.93	5.00	pCi/L					
Rad Liquid Scintillation A	nalysis										
LSC, Tritium Dist, Liquid											
Tritium	U	ND	+/-291	524	700	pCi/L	AXD2	08/27/0	07 1138	663391	3
Volatile Organics											
GEL 8260B Method List I	Liquid										
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1 DXK1	08/28/0	07 0132	663867	4
1,1,2,2-Tetrachloroethane		ND		0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND		0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND		0.250	1.00	ug/L	1				
1,3-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dioxane	U	ND		20.0	200	ug/L	1				
2-Butanone	U	ND		1.25	10.0	ug/L	1				
Acrolein	U	ND		3.00	10.0	ug/L	1				
Acrylonitrile	U	ND		1.00	10.0	ug/L	1				
Benzene	U	ND		0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1				
Bromoform	U	ND		0.250	1.00	ug/L	1				
Bromomethane	U	ND		0.500	1.00	ug/L	1				
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1				
Chlorobenzene	U	ND		0.250	1.00	ug/L	1				
Chloroethane	U	ND		0.500	1.00	ug/L	1				
Chloroform	U	ND		0.250	1.00	ug/L	1				
Chloromethane	U	ND		0.500	1.00	ug/L	1				

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 30, 2007

	Client Sample II Sample ID:) :	082207-04 192249004			Proje Clien		DHEC00105 DHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
Dibromochloromethane	U	ND		0.250	1.00	ug/L		1			
Dichlorodifluoromethane	e U	ND		0.500	5.00	ug/L		1			
Ethylbenzene	U	ND		0.250	1.00	ug/L		1			
Methylene chloride	J	4.25		2.00	5.00	ug/L		1			
Tetrachloroethylene	U	ND		0.250	1.00	ug/L		1			
Toluene	U	ND		0.250	1.00	ug/L		1			
Trichloroethylene	U	ND		0.250	1.00	ug/L		1			
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L		1			
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L		1			
Vinyl chloride	U	ND		0.500	1.00	ug/L		1			
Xylenes (total)	U	ND		0.250	3.00	ug/L		1			
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L		1			
cis-1,3-Dichloropropyler	ne U	ND		0.250	1.00	ug/L		1			
trans-1,2-Dichloroethyle	ne U	ND		0.300	1.00	ug/L		1			
trans-1,3-Dichloropropyl	ene U	ND		0.250	1.00	ug/L		1			

The following Analytical Methods were performed

Method	Description	Analyst Comments	-
Method	Description	Analyst Comments	
1	EPA 901.1		
2	EPA 900.0		
3	EPA 906.0 Modified		
4	SW846 8260B		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	48.6 ug/L	50.0	97	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	51.1 ug/L	50.0	102	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	46.4 ug/L	50.0	93	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	53.1 ug/L	50.0	106	(77%-122%)

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported

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Certificate of Analysis

Company: SC DHEC Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 3 of 3

Report Date: August 30, 2007

DHEC00105 Client Sample ID: 082207-04 Project: Client ID: DHEC002 Sample ID: 192249004 **Parameter** Qualifier Result Uncertainty RLUnits AnalystDate Time Batch Method DL

- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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Report Date: August 30, 2007

DHEC00105

DHEC002

Contact: Mr. Mike Gandy

Acrolein

Benzene

Acrylonitrile

Bromoform

Bromomethane

Chlorobenzene

Chloromethane

Chloroethane

Chloroform

Carbon tetrachloride

Bromodichloromethane

Project: SC DHEC ChemNuc GW Page 1 of 3

Client Sample ID: 082207-05 Project:
Sample ID: 192249005 Client ID:
Matrix: Ground Water

Matrix: Ground Water
Collect Date: 22-AUG-07 10:00
Receive Date: 23-AUG-07

ND

U

U

U

U

U

U

U

U

U

U

U

Collector: Client **Oualifier Parameter** Result RL Time Batch Method Uncertainty DL Units DF AnalystDate Rad Gamma Spec Analysis Gammaspec, Gamma, Liquid (Standard List) **Rad Gas Flow Proportional Counting** GFPC, Gross Alpha/Beta, liquid Alpha 3.14 +/-2.053.04 5.00 pCi/L HAK 08/27/07 1328 663410 2 ND +/-2.77 4.51 Beta 5.00 pCi/L U **Rad Liquid Scintillation Analysis** LSC, Tritium Dist, Liquid Tritium U ND +/-324 524 700 pCi/L AXD2 08/27/07 1155 663391 **Volatile Organics** GEL 8260B Method List Liquid 1,1,1-Trichloroethane 0.300 1.00 DXK1 08/28/07 0157 663867 ND ug/L U 1,1,2,2-Tetrachloroethane ND 0.250 1.00 ug/L U 1,1,2-Trichloroethane ND 0.250 1.00 U ug/L 1 ug/L 1,1-Dichloroethane U ND 0.300 1.00 1 0.300 1,1-Dichloroethylene ND 1.00 ug/L 1 U 1,2-Dichlorobenzene ND 0.250 1.00 ug/L U 1,2-Dichloroethane ND 0.250 1.00 ug/L U 1,2-Dichloropropane 0.250 1.00 ND ug/L U 1,3-Dichlorobenzene ND 0.250 1.00 ug/L 1 U 0.250 1.4-Dichlorobenzene ND 1.00 ug/L U 20.0 200 1,4-Dioxane ND ug/L U 2-Butanone ND 1.25 10.0 ug/L U

3.00

1.00

0.300

0.250

0.250

0.500

0.250

0.250

0.500

0.250

0.500

10.0

10.0

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

ug/L

1

1

1

1

1

1

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Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 30, 2007

	Client Sample II Sample ID:) :	082207-05 192249005			Proje Clien		DHEC00105 DHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
Dibromochloromethane	U	ND		0.250	1.00	ug/L		1			
Dichlorodifluoromethane	U	ND		0.500	5.00	ug/L		1			
Ethylbenzene	U	ND		0.250	1.00	ug/L		1			
Methylene chloride	J	4.87		2.00	5.00	ug/L		1			
Tetrachloroethylene	U	ND		0.250	1.00	ug/L		1			
Toluene	U	ND		0.250	1.00	ug/L		1			
Trichloroethylene	U	ND		0.250	1.00	ug/L		1			
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L		1			
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L		1			
Vinyl chloride	U	ND		0.500	1.00	ug/L		1			
Xylenes (total)	U	ND		0.250	3.00	ug/L		1			
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L		1			
cis-1,3-Dichloropropyler	ie U	ND		0.250	1.00	ug/L		1			
trans-1,2-Dichloroethyle	ne U	ND		0.300	1.00	ug/L		1			
trans-1,3-Dichloropropyl	ene U	ND		0.250	1.00	ug/L		1			

The following Analytical Methods were performed

Method	Description	Analyst Comments	
1	EPA 901.1		
2	EPA 900.0		
3	EPA 906.0 Modified		
4	SW846 8260B		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	48.5 ug/L	50.0	97	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	52.2 ug/L	50.0	104	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	46.2 ug/L	50.0	92	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	53.1 ug/L	50.0	106	(77%-122%)

Notes

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported

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Project: SC DHEC ChemNuc GW Page 3 of 3

Report Date: August 30, 2007

DHEC00105 Client Sample ID: 082207-05 Project: Client ID: DHEC002 Sample ID: 192249005 **Parameter** Qualifier Result Uncertainty RLUnits AnalystDate Time Batch Method DL

- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

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Company: SC DHEC Address: 2600 Bull Street

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Report Date: August 30, 2007

DHEC00105

DHEC002

Project: Client ID:

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 3

Client Sample ID: 082207-06
Sample ID: 192249006
Matrix: Ground Water
Collect Date: 22-AUG-07 10:30

Collect Date: 22-AUG-07 10:30 Receive Date: 23-AUG-07

	Collector:		Client								
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analys	sis										
Gammaspec, Gamma, Li Rad Gas Flow Proportion		st)									
GFPC, Gross Alpha/Bet	a, liquid										
Alpha	U	ND	+/-1.10	1.65	5.00	pCi/L		HAK 08/27/0 B	7 1328	663410	0 2
Beta	U	ND	+/-2.90	4.99	5.00	pCi/L		Б			
Rad Liquid Scintillation	Analysis										
LSC, Tritium Dist, Liqui	d										
Tritium	U	ND	+/-307	525	700	pCi/L		AXD2 08/27/0	7 1212	66339	1 3
Volatile Organics											
GEL 8260B Method List	Liquid										
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1	DXK1 08/28/0	7 0223	66386	7 4
1,1,2,2-Tetrachloroethan		ND		0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	Ü	ND		0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND		0.250	1.00	ug/L	1				
1,3-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dioxane	U	ND		20.0	200	ug/L	1				
2-Butanone	U	ND		1.25	10.0	ug/L	1				
Acrolein	U	ND		3.00	10.0	ug/L	1				
Acrylonitrile	U	ND		1.00	10.0	ug/L	1				
Benzene	U	ND		0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1				
Bromoform	U	ND		0.250	1.00	ug/L	1				
Bromomethane	U	ND		0.500	1.00	ug/L	1				
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1				
Chlorobenzene	U	ND		0.250	1.00	ug/L	1				
Chloroethane	U	ND		0.500	1.00	ug/L	1				
Chloroform	U	ND		0.250	1.00	ug/L	1				
Chloromethane	U	ND		0.500	1.00	ug/L	1				

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 30, 2007

	Client Sample Sample ID:		082207-06 192249006			Proje Clier		DHEC00105 DHEC002		
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch Metho
Volatile Organics										
GEL 8260B Method List	Liquid									
Dibromochloromethane	U	ND		0.250	1.00	ug/L	1			
Dichlorodifluoromethane	U	ND		0.500	5.00	ug/L	1			
Ethylbenzene	U	ND		0.250	1.00	ug/L	1			
Methylene chloride	J	4.55		2.00	5.00	ug/L	1			
Tetrachloroethylene	U	ND		0.250	1.00	ug/L	1			
Toluene	U	ND		0.250	1.00	ug/L	1			
Trichloroethylene	U	ND		0.250	1.00	ug/L	1			
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L	1			
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L	1			
Vinyl chloride	U	ND		0.500	1.00	ug/L	1			
Xylenes (total)	U	ND		0.250	3.00	ug/L	1			
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L	1			
cis-1,3-Dichloropropylen	ie U	ND		0.250	1.00	ug/L	1			
trans-1,2-Dichloroethyler		ND		0.300	1.00	ug/L	1			
trans-1,3-Dichloropropyl	ene U	ND		0.250	1.00	ug/L	1			

The following Analytical Methods were performed

Method	Description	Analyst Comments	
1	EPA 901.1		
2	EPA 900.0		
3	EPA 906.0 Modified		
4	SW846 8260B		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	47.8 ug/L	50.0	96	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	50.5 ug/L	50.0	101	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	45.6 ug/L	50.0	91	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	53.8 ug/L	50.0	108	(77%-122%)

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported

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Certificate of Analysis

Company: SC DHEC Address: 2600 Bull Street

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Report Date: August 30, 2007

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 3 of 3

	Client Sample ID Sample ID:	: 082207-06 192249006			Projec Client		DHEC00105 DHEC002	
Parameter	Qualifier	Result Uncertainty	DL	RL	Units	DF	AnalystDate	Time Batch Method

- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

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Certificate of Analysis

Company: SC DHEC Address: 2600 Bull Street

Columbia, South Carolina 29201

Report Date: August 30, 2007

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 3

Client Sample ID: 082207-07 Project: DHEC00105 Sample ID: 192249007 Client ID: DHEC002

Matrix: Ground Water
Collect Date: 22-AUG-07 10:35
Receive Date: 23-AUG-07

	Collector:		Client								
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analys	is										
Gammaspec, Gamma, Lic Rad Gas Flow Proportion		(st)									
GFPC, Gross Alpha/Beta	ı, liquid										
Alpha	U	ND	+/-1.18	1.83	5.00	pCi/L		HAK 08/27/0 B	7 1328	663410	2
Beta	U	ND	+/-2.23	4.00	5.00	pCi/L					
Rad Liquid Scintillation A	Analysis										
LSC, Tritium Dist, Liquid	l										
Tritium	U	ND	+/-308	526	700	pCi/L		AXD2 08/27/0	7 1228	663391	3
Volatile Organics											
GEL 8260B Method List	Liquid										
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1	DXK1 08/28/0	7 0248	663867	4
1,1,2,2-Tetrachloroethane	e U	ND		0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND		0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND		0.250	1.00	ug/L	1				
1,3-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dioxane	U	ND		20.0	200	ug/L	1				
2-Butanone	U	ND		1.25	10.0	ug/L	1				
Acrolein	U	ND		3.00	10.0	ug/L	1				
Acrylonitrile	U	ND		1.00	10.0	ug/L	1				
Benzene	U	ND		0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1				
Bromoform	U	ND		0.250	1.00	ug/L	1				
Bromomethane	U	ND		0.500	1.00	ug/L	1				
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1				
Chlorobenzene	U	ND		0.250	1.00	ug/L	1				
Chloroethane	U	ND		0.500	1.00	ug/L	1				
Chloroform	U	ND		0.250	1.00	ug/L	1				
Chloromethane	U	ND		0.500	1.00	ug/L	1				

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 30, 2007

	Client Sample ID Sample ID:):	082207-07 192249007			Proje Clier	ect: nt ID:	DHEC00105 DHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
Dibromochloromethane	U	ND		0.250	1.00	ug/L		1			
Dichlorodifluoromethane	e U	ND		0.500	5.00	ug/L		1			
Ethylbenzene	U	ND		0.250	1.00	ug/L		1			
Methylene chloride	J	4.23		2.00	5.00	ug/L		1			
Tetrachloroethylene	U	ND		0.250	1.00	ug/L		1			
Toluene	U	ND		0.250	1.00	ug/L		1			
Trichloroethylene	U	ND		0.250	1.00	ug/L		1			
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L		1			
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L		1			
Vinyl chloride	U	ND		0.500	1.00	ug/L		1			
Xylenes (total)	U	ND		0.250	3.00	ug/L		1			
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L		1			
cis-1,3-Dichloropropyler	ne U	ND		0.250	1.00	ug/L		1			
trans-1,2-Dichloroethyle	ne U	ND		0.300	1.00	ug/L		1			
trans-1,3-Dichloropropyl	lene []	ND		0.250	1.00	ug/L		1			

The following Analytical Methods were performed

THE TOHOWN	ng imaly flear Methods were performed		
Method	Description	Analyst Comments	
1	EPA 901.1		
2	EPA 900.0		
3	EPA 906.0 Modified		
4	SW846 8260B		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	47.3 ug/L	50.0	95	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	50.5 ug/L	50.0	101	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	45.8 ug/L	50.0	92	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	52.7 ug/L	50.0	105	(77%-122%)

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported

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Columbia, South Carolina 29201

Report Date: August 30, 2007

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 3 of 3

Client Sample ID: 082207-07 Project: DHEC00105
Sample ID: 192249007 Client ID: DHEC002

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

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Certificate of Analysis

Company: SC DHEC 2600 Bull Street Address:

Columbia, South Carolina 29201

Report Date: August 30, 2007

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 3

Client Sample ID: Sample ID: DHEC00105 082207-08 Project: Client ID: DHEC002 192249008

Matrix: Ground Water Collect Date: 22-AUG-07 11:00 Receive Date: 23-AUG-07

Collector

	Collector:		Client								
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analys	is										
Gammaspec, Gamma, Lio Rad Gas Flow Proportion		ist)									
GFPC, Gross Alpha/Beta	ı, liquid										
Alpha		3.91	+/-2.00	2.57	5.00	pCi/L		HAK 08/27/0 B	7 1334	663410) 2
Beta	U	ND	+/-2.64	4.90	5.00	pCi/L		Б			
Rad Liquid Scintillation A	Analysis										
LSC, Tritium Dist, Liquia	l										
Tritium	U	ND	+/-312	526	700	pCi/L		AXD2 08/27/0	7 1245	66339	1 3
Volatile Organics											
GEL 8260B Method List	Liquid										
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1	DXK1 08/28/0	7 0313	66386	7 4
1,1,2,2-Tetrachloroethane	e U	ND		0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND		0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND		0.250	1.00	ug/L	1				
1,3-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dioxane	U	ND		20.0	200	ug/L	1				
2-Butanone	U	ND		1.25	10.0	ug/L	1				
Acrolein	U	ND		3.00	10.0	ug/L	1				
Acrylonitrile	U	ND		1.00	10.0	ug/L	1				
Benzene	U	ND		0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1				
Bromoform	U	ND		0.250	1.00	ug/L	1				
Bromomethane	U	ND		0.500	1.00	ug/L	1				
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1				
Chlorobenzene	U	ND		0.250	1.00	ug/L	1				
Chloroethane	U	ND		0.500	1.00	ug/L	1				
Chloroform	U	ND		0.250	1.00	ug/L	1				
Chloromethane	U	ND		0.500	1.00	ug/L	1				

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 30, 2007

	Client Sample ID Sample ID:):	082207-08 192249008			Proje Clien	ect: nt ID:	DHEC00105 DHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
Dibromochloromethane	U	ND		0.250	1.00	ug/L		1			
Dichlorodifluoromethane	· U	ND		0.500	5.00	ug/L		1			
Ethylbenzene	U	ND		0.250	1.00	ug/L		1			
Methylene chloride	J	3.74		2.00	5.00	ug/L		1			
Tetrachloroethylene	U	ND		0.250	1.00	ug/L		1			
Toluene	U	ND		0.250	1.00	ug/L		1			
Trichloroethylene	U	ND		0.250	1.00	ug/L		1			
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L		1			
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L		1			
Vinyl chloride	U	ND		0.500	1.00	ug/L		1			
Xylenes (total)	U	ND		0.250	3.00	ug/L		1			
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L		1			
cis-1,3-Dichloropropyler		ND		0.250	1.00	ug/L		1			
trans-1,2-Dichloroethyler	ne U	ND		0.300	1.00	ug/L		1			
trans-1,3-Dichloropropyl	ene U	ND		0.250	1.00	ug/L		1			

The following Analytical Methods were performed

Method	Description	Analyst Comments	
1	EPA 901.1		
2	EPA 900.0		
3	EPA 906.0 Modified		
4	SW846 8260B		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	48.6 ug/L	50.0	97	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	51.4 ug/L	50.0	103	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	46.4 ug/L	50.0	93	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	53.8 ug/L	50.0	108	(77%-122%)

Notes

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported

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Company: SC DHEC Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 3 of 3

Report Date: August 30, 2007

DHEC00105 Client Sample ID: 082207-08 Project: Client ID: DHEC002 Sample ID: 192249008 **Parameter** Qualifier Result Uncertainty RLUnits AnalystDate Time Batch Method DL

- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Jake Crook.

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Certificate of Analysis

Company: SC DHEC 2600 Bull Street Address:

Contact:

Columbia, South Carolina 29201

Mr. Mike Gandy Project: SC DHEC ChemNuc GW

Page 1 of 3

Report Date: August 30, 2007

DHEC00105

DHEC002

Project: Client ID:

Client Sample ID: Sample ID: 082207-09 192249009 Matrix: Collect Date: Ground Water 22-AUG-07 11:20 Receive Date: 23-AUG-07

	Collector:		Client								
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analy	sis										
Gammaspec, Gamma, L	iquid (Standard Li	ist)									
Rad Gas Flow Proportion	nal Counting										
GFPC, Gross Alpha/Bet	a, liquid										
Alpha		4.32	+/-2.16	2.88	5.00	pCi/L		HAK 08/27/0	7 1334	663410) 2
Beta	U	ND	+/-2.78	4.51	5.00	pCi/L		В			
Rad Liquid Scintillation		ND	17 2.70	4.51	3.00	репи					
LSC, Tritium Dist, Liqui	-										
Tritium Disi, Liqui	u U	ND	+/-331	525	700	pCi/L		AXD2 08/27/0	7 1302	663391	1 3
Volatile Organics	U	ND	17 331	323	700	PCI/E		111102 00/21/0	7 1302	. 00557	
GEL 8260B Method List	Liquid										
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1	DXK1 08/28/0	7 0339	66386	7 4
1,1,2,2-Tetrachloroethan		ND		0.250	1.00	ug/L	1	<i>B71111 00/20/0</i>	7 0557	00500	
1,1,2-Trichloroethane	U	ND		0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloropropane	Ü	ND		0.250	1.00	ug/L	1				
1,3-Dichlorobenzene	Ü	ND		0.250	1.00	ug/L	1				
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dioxane	U	ND		20.0	200	ug/L	1				
2-Butanone	U	ND		1.25	10.0	ug/L	1				
Acrolein	U	ND		3.00	10.0	ug/L	1				
Acrylonitrile	U	ND		1.00	10.0	ug/L	1				
Benzene	U	ND		0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1				
Bromoform	U	ND		0.250	1.00	ug/L	1				
Bromomethane	U	ND		0.500	1.00	ug/L	1				
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1				
Chlorobenzene	U	ND		0.250	1.00	ug/L	1				
Chloroethane	U	ND		0.500	1.00	ug/L	1				
Chloroform	U	ND		0.250	1.00	ug/L	1				
Chloromethane	U	ND		0.500	1.00	ug/L	1				

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Company: SC DHEC

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 30, 2007

	Client Sample ID Sample ID:	:	082207-09 192249009			Proje Clier	ect: nt ID:	DHEC00105 DHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
Dibromochloromethane	U	ND		0.250	1.00	ug/L	1	1			
Dichlorodifluoromethane	· U	ND		0.500	5.00	ug/L	1	1			
Ethylbenzene	U	ND		0.250	1.00	ug/L	1	1			
Methylene chloride	J	4.61		2.00	5.00	ug/L	1	1			
Tetrachloroethylene	U	ND		0.250	1.00	ug/L	1	1			
Toluene	U	ND		0.250	1.00	ug/L	1	1			
Trichloroethylene	U	ND		0.250	1.00	ug/L	1	1			
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L	1	1			
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L	1	1			
Vinyl chloride	U	ND		0.500	1.00	ug/L	1	1			
Xylenes (total)	U	ND		0.250	3.00	ug/L	1	1			
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L	1	1			
cis-1,3-Dichloropropylen	ie U	ND		0.250	1.00	ug/L	1	1			
trans-1,2-Dichloroethyler		ND		0.300	1.00	ug/L	1	I			
trans-1,3-Dichloropropyl		ND		0.250	1.00	ug/L	1	1			

The following Analytical Methods were performed

1110 10110 11115 11	mary treat tractions were performed		
Method	Description	Analyst Comments	
1	EPA 901.1		
2	EPA 900.0		
3	EPA 906.0 Modified		
4	SW846 8260B		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	47.9 ug/L	50.0	96	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	50.7 ug/L	50.0	101	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	45.9 ug/L	50.0	92	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	53.4 ug/L	50.0	107	(77%-122%)

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported

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Certificate of Analysis

Company: SC DHEC Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 3 of 3

Report Date: August 30, 2007

DHEC00105 Client Sample ID: 082207-09 Project: Client ID: DHEC002 Sample ID: 192249009 **Parameter** Qualifier Result Uncertainty RLUnits AnalystDate Time Batch Method DL

- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- A RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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Certificate of Analysis

Company: SC DHEC Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 3

Report Date: August 30, 2007

DHEC00105

DHEC002

Project: Client ID:

Client Sample ID: 082207-10
Sample ID: 192249010
Matrix: Ground Water
Collect Date: 22-AUG-07 11:50
Receive Date: 23-AUG-07

	Collector:		Client								
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analys	sis										
Gammaspec, Gamma, Li		ist)									
Rad Gas Flow Proportion	nal Counting										
GFPC, Gross Alpha/Beta	a, liquid										
Alpha	U	ND	+/-1.16	2.04	5.00	pCi/L		HAK 08/27/0 B	7 1334	663410	2
Beta	U	ND	+/-2.49	4.14	5.00	pCi/L		Б			
Rad Liquid Scintillation	Analysis										
LSC, Tritium Dist, Liquid	d										
Tritium	U	ND	+/-323	524	700	pCi/L		AXD2 08/27/0	7 1318	663391	3
Volatile Organics											
GEL 8260B Method List	Liquid										
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1	DXK1 08/29/0	7 1923	663867	4
1,1,2,2-Tetrachloroethan	e U	ND		0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND		0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND		0.250	1.00	ug/L	1				
1,3-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dioxane	U	ND		20.0	200	ug/L	1				
2-Butanone	U	ND		1.25	10.0	ug/L	1				
Acrolein	U	ND		3.00	10.0	ug/L	1				
Acrylonitrile	U	ND		1.00	10.0	ug/L	1				
Benzene	U	ND		0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1				
Bromoform	U	ND		0.250	1.00	ug/L	1				
Bromomethane	U	ND		0.500	1.00	ug/L	1				
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1				
Chlorobenzene	U	ND		0.250	1.00	ug/L	1				
Chloroethane	U	ND		0.500	1.00	ug/L	1				
Chloroform	U	ND		0.250	1.00	ug/L	1				
Chloromethane	U	ND		0.500	1.00	ug/L	1				

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 30, 2007

	Client Sample ID Sample ID:):	082207-10 192249010			Proje Clier		OHEC00105 OHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
Dibromochloromethane	U	ND		0.250	1.00	ug/L	1				
Dichlorodifluoromethane	· U	ND		0.500	5.00	ug/L	1				
Ethylbenzene	U	ND		0.250	1.00	ug/L	1				
Methylene chloride	U	ND		2.00	5.00	ug/L	1				
Tetrachloroethylene	U	ND		0.250	1.00	ug/L	1				
Toluene	U	ND		0.250	1.00	ug/L	1				
Trichloroethylene	U	ND		0.250	1.00	ug/L	1				
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L	1				
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L	1				
Vinyl chloride	U	ND		0.500	1.00	ug/L	1				
Xylenes (total)	U	ND		0.250	3.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylen	ie U	ND		0.250	1.00	ug/L	1				
trans-1,2-Dichloroethyler	ne U	ND		0.300	1.00	ug/L	1				
trans-1,3-Dichloropropyl	ene []	ND		0.250	1.00	ug/L	1				

The following Analytical Methods were performed

Method	Description	Analyst Comments	
1	EPA 901.1		
2	EPA 900.0		
3	EPA 906.0 Modified		
4	SW846 8260B		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	43.3 ug/L	50.0	87	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	48.2 ug/L	50.0	96	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	45.4 ug/L	50.0	91	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	51.0 ug/L	50.0	102	(77%-122%)

Notes:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 3 of 3

Client Sample ID: 082207-10 Project: DHEC00105 Sample ID: 192249010 Client ID: DHEC002

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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Certificate of Analysis

Company: SC DHEC Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 3

Report Date: August 30, 2007

DHEC00105

DHEC002

Project: Client ID:

Client Sample ID: 082207-11
Sample ID: 192249011
Matrix: Ground Water
Collect Date: 22-AUG-07 14:30
Receive Date: 23-AUG-07

	Collector:		Client								
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analys	sis										
Gammaspec, Gamma, Li		st)									
Rad Gas Flow Proportion	nal Counting										
GFPC, Gross Alpha/Beta	a, liquid										
Alpha		4.84	+/-1.89	1.73	5.00	pCi/L		HAK 08/27/0 B	7 1334	663410	2
Beta		5.33	+/-2.81	4.36	5.00	pCi/L		D			
Rad Liquid Scintillation	Analysis										
LSC, Tritium Dist, Liquid	d										
Tritium	U	ND	+/-323	523	700	pCi/L		AXD2 08/27/0	7 1335	663391	3
Volatile Organics											
GEL 8260B Method List	Liquid										
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1	DXK1 08/28/0	7 0430	663867	4
1,1,2,2-Tetrachloroethan	e U	ND		0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND		0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1				
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND		0.250	1.00	ug/L	1				
1,3-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1				
1,4-Dioxane	U	ND		20.0	200	ug/L	1				
2-Butanone	U	ND		1.25	10.0	ug/L	1				
Acrolein	U	ND		3.00	10.0	ug/L	1				
Acrylonitrile	U	ND		1.00	10.0	ug/L	1				
Benzene	U	ND		0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1				
Bromoform	U	ND		0.250	1.00	ug/L	1				
Bromomethane	U	ND		0.500	1.00	ug/L	1				
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1				
Chlorobenzene	U	ND		0.250	1.00	ug/L	1				
Chloroethane	U	ND		0.500	1.00	ug/L	1				
Chloroform	U	ND		0.250	1.00	ug/L	1				
Chloromethane	U	ND		0.500	1.00	ug/L	1				

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Certificate of Analysis

 $Company: \quad SC\ DHEC$

Address: 2600 Bull Street

Columbia, South Carolina 29201

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 30, 2007

	Client Sample ID Sample ID:) :	082207-11 192249011			Proje Clien	ect: nt ID:	DHEC00105 DHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
Dibromochloromethane	U	ND		0.250	1.00	ug/L		1			
Dichlorodifluoromethane	e U	ND		0.500	5.00	ug/L		1			
Ethylbenzene	U	ND		0.250	1.00	ug/L		1			
Methylene chloride	J	4.78		2.00	5.00	ug/L		1			
Tetrachloroethylene	U	ND		0.250	1.00	ug/L		1			
Toluene	U	ND		0.250	1.00	ug/L		1			
Trichloroethylene	U	ND		0.250	1.00	ug/L		1			
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L		1			
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L		1			
Vinyl chloride	U	ND		0.500	1.00	ug/L		1			
Xylenes (total)	U	ND		0.250	3.00	ug/L		1			
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L		1			
cis-1,3-Dichloropropylen	ie U	ND		0.250	1.00	ug/L		1			
trans-1,2-Dichloroethyler	ne U	ND		0.300	1.00	ug/L		1			
trans-1,3-Dichloropropyl	ene U	ND		0.250	1.00	ug/L		1			

The following Analytical Methods were performed

The following finally deal intended were performed							
Method	Description	Analyst Comments					
1	EPA 901.1						
2	EPA 900.0						
3	EPA 906.0 Modified						
4	SW846 8260B						

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	50.3 ug/L	50.0	101	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	51.3 ug/L	50.0	103	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	46.9 ug/L	50.0	94	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	54.7 ug/L	50.0	109	(77%-122%)

Notes

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported

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Report Date: August 30, 2007

Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 3 of 3

Client Sample ID: 082207-11 Project: DHEC00105 Sample ID: 192249011 Client ID: DHEC002

Parameter Qualifier Result Uncertainty DL RL Units DF AnalystDate Time Batch Method

- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any/questions to your Project Manager, Jake Crook.

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Company: SC DHEC Address: 2600 Bull Street

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 1 of 3

Report Date: August 30, 2007

DHEC00105

DHEC002

Project: Client ID:

Client Sample ID: 082207-12
Sample ID: 192249012
Matrix: Ground Water
Collect Date: 22-AUG-07 15:30
Receive Date: 23-AUG-07

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF AnalystDate Time Batch Metho
Rad Gamma Spec Analysis	S						
Gammaspec, Gamma, Liq Rad Gas Flow Proportiona		ist)					
GFPC, Gross Alpha/Beta,	liquid						
Alpha	U	ND	+/-2.07	2.82	5.00	pCi/L	HAK 08/27/07 1335 663410 2 B
Beta	U	ND	+/-3.02	5.00	5.00	pCi/L	
Rad Liquid Scintillation A	nalysis						
LSC, Tritium Dist, Liquid							
Tritium	U	ND	+/-304	528	700	pCi/L	AXD2 08/27/07 1352 663391 3
Volatile Organics							
GEL 8260B Method List L	iquid						
1,1,1-Trichloroethane	U	ND		0.300	1.00	ug/L	1 DXK1 08/29/07 1948 663867 4
1,1,2,2-Tetrachloroethane	U	ND		0.250	1.00	ug/L	1
1,1,2-Trichloroethane	U	ND		0.250	1.00	ug/L	1
1,1-Dichloroethane	U	ND		0.300	1.00	ug/L	1
1,1-Dichloroethylene	U	ND		0.300	1.00	ug/L	1
1,2-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1
1,2-Dichloroethane	U	ND		0.250	1.00	ug/L	1
1,2-Dichloropropane	U	ND		0.250	1.00	ug/L	1
1,3-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1
1,4-Dichlorobenzene	U	ND		0.250	1.00	ug/L	1
1,4-Dioxane	U	ND		20.0	200	ug/L	1
2-Butanone	U	ND		1.25	10.0	ug/L	1
Acrolein	U	ND		3.00	10.0	ug/L	1
Acrylonitrile	U	ND		1.00	10.0	ug/L	1
Benzene	U	ND		0.300	1.00	ug/L	1
Bromodichloromethane	U	ND		0.250	1.00	ug/L	1
Bromoform	U	ND		0.250	1.00	ug/L	1
Bromomethane	U	ND		0.500	1.00	ug/L	1
Carbon tetrachloride	U	ND		0.250	1.00	ug/L	1
Chlorobenzene	U	ND		0.250	1.00	ug/L	1
Chloroethane	U	ND		0.500	1.00	ug/L	1
Chloroform	U	ND		0.250	1.00	ug/L	1
Chloromethane	U	ND		0.500	1.00	ug/L	1

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Contact: Mr. Mike Gandy

Project: SC DHEC ChemNuc GW Page 2 of 3

Report Date: August 30, 2007

	Client Sample ID Sample ID:		082207-12 192249012			Proje Clien		DHEC00105 DHEC002			
Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics											
GEL 8260B Method List	Liquid										
Dibromochloromethane	U	ND		0.250	1.00	ug/L		1			
Dichlorodifluoromethane	e U	ND		0.500	5.00	ug/L		1			
Ethylbenzene	U	ND		0.250	1.00	ug/L		1			
Methylene chloride	U	ND		2.00	5.00	ug/L		1			
Tetrachloroethylene	U	ND		0.250	1.00	ug/L		1			
Toluene	U	ND		0.250	1.00	ug/L		1			
Trichloroethylene	U	ND		0.250	1.00	ug/L		1			
Trichlorofluoromethane	U	ND		0.310	5.00	ug/L		1			
Trichlorotrifluoroethane	U	ND		1.00	10.0	ug/L		1			
Vinyl chloride	U	ND		0.500	1.00	ug/L		1			
Xylenes (total)	U	ND		0.250	3.00	ug/L		1			
cis-1,2-Dichloroethylene	U	ND		0.300	1.00	ug/L		1			
cis-1,3-Dichloropropyler	ие И	ND		0.250	1.00	ug/L		1			
trans-1,2-Dichloroethyler	ne U	ND		0.300	1.00	ug/L		1			
trans-1,3-Dichloropropyl	ene U	ND		0.250	1.00	ug/L		1			

The following Analytical Methods were performed

The following finally deal intended were performed							
Method	Description	Analyst Comments					
1	EPA 901.1						
2	EPA 900.0						
3	EPA 906.0 Modified						
4	SW846 8260B						

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	GEL 8260B Method List Liquid	42.1 ug/L	50.0	84	(68%-121%)
Bromofluorobenzene	GEL 8260B Method List Liquid	47.5 ug/L	50.0	95	(80%-120%)
Dibromofluoromethane	GEL 8260B Method List Liquid	44.3 ug/L	50.0	89	(78%-124%)
Toluene-d8	GEL 8260B Method List Liquid	50.0 ug/L	50.0	100	(77%-122%)

Notes:

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- > Result is greater than value reported

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Project: SC DHEC ChemNuc GW Page 3 of 3

Report Date: August 30, 2007

DHEC00105 Client Sample ID: 082207-12 Project: Client ID: DHEC002 Sample ID: 192249012 **Parameter** Qualifier Result Uncertainty RLUnits AnalystDate Time Batch Method DL

- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- E Organics--Concentration of the target analyte exceeds the instrument calibration range
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC).

Quantitation is based on nearest internal standard response factor

- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- P Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, difference is also <70%
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

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